



## MONTHLY REPORT

June 2016

# REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports or PowerPoint presentations to the Major Transportation & Regional Cooperation Council Committee, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>

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# ACRONYMS

CFD	Cincinnati Fire Department
CPD	Cincinnati Police Department
CBD	Central Business District
DBE	Disadvantaged Business Enterprises
FAI	First Article Inspection
FLSSC	Fire Life Safety and Security Committee
FTA	Federal Transit Administration
MOF	Maintenance And Operations Facility
MPD	Messer, Prus, Delta Rail Joint Venture
OCS	Overhead Contact System
ODOT	Ohio Department of Transportation
OUPS	Ohio Utility Protection Service
PMOC	Project Management Oversight Consultant (FTA's)
SORTA	Southwest Ohio Regional Transit Authority
SSCVR	Safety and Security Certification Verification Report
SSRC	Safety and Security Review Committee
TANK	Transit Authority of Northern Kentucky
TAA	Track Access Authorization
TPSS	Traction Power Substation
TVM	Ticket Vending Machine
WTM	Wheel Truing Machine

# 1.0. PROGRESS SUMMARY



The live drill with CFD and CPD kicks off

# 1.0. PROGRESS SUMMARY

- Civil construction punch list work and testing continues
- Implementation of signal changes underway
- Live safety exercise held June 16
- CAF closing open items
- Transdev staff-up and training underway
- Coordination with City Departments to insure smooth transition to revenue service, focusing on their operations in the right-of-way.
- Coordination with the ODOT SSO ongoing to insure Cincinnati Streetcar gets SSO concurrence with the project's "Safety and Security Certification Verification Report" (SSCVR)



# 1.1. PROGRESS SUMMARY

- MPD Construction Contract Milestone Dates:

Milestone	Original Contract Dates (Bid Docs)	Change Order #1	Change Order #5	
OTR Loop & MOF Substantial Completion	June 15, 2014			
3000 ft. Test Track & MOF Substantial Completion	July 15, 2014	March 1, 2015	March 21, 2015	✓
Substantial Completion of OTR Loop	March 1, 2015	June 29, 2015	July 19, 2015	✓
Substantial Completion of All Work	October 1, 2015	March 15, 2016	April 4, 2016	✓
Revenue Service	April 2, 2016	September 15, 2016	September 15, 2016	

- CAF Contract Modification #2 (executed on August 1, 2014):

Milestone	Contractual Late Date	
Contractual Delivery of 1st Car	September 17, 2015	×
Contractual Delivery of 2nd Car	October 17, 2015	×
Contractual Delivery of 3rd Car	November 17, 2015	×
Contractual Delivery of 4th Car	November 17, 2015	×
Contractual Delivery of 5th Car	December 17, 2015	×

## 2.1. JUNE 2016 CIVIL CONSTRUCTION SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2016											
						Jun	Jul			Aug			Sep				
						27	4	11	18	25	1	8	15	22	29	5	12
Elm/ 12th to Henry																	
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henry												
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henry												
Race/ Elder to 12th																	
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th												
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th												
Central/ Race to Main																	
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Main												
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Main												
12th/ Main to Elm																	
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elm												
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elm												
OTR Turns and Diamond																	
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamond												
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamond												
MOF Area Turn Outs																	
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Outs												
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Outs												
Walnut/Central to 2nd																	
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nd												
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nd												
2nd Street and Bridges																	
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges												
16	Track/Road Complete	1	11/05/15A	11/05/15A	2nd Street and Bridges												
Main/2nd to 12th																	
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15A	Main/2nd to 12th												
18	Track/Road Complete	1	09/24/15A	09/24/15A	Main/2nd to 12th												
OTR																	
20	3000' Test Track	0		03/20/15A	OTR												
25	MOF Complete	0		03/20/15A	OTR												
30	Power and Stations - OTR	0		07/17/15A	OTR												
CBD																	
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16A	CBD												
60	Pay Service Available	0		09/09/16	CBD												
Start Date: 01/01/13 Finish Date: 09/09/16 Data Date: 07/01/16 Run Date: 08/03/16			Cincinnati Streetcar Contract #121C009060 July 1, 2016 - Project Schedule														
Streetcar 2016_07-01.ppx			Page 1A														



## 2.1. CIVIL CONSTRUCTION STATUS



Evaluating an alternative traffic signal actuator for the transit signal

## 2.1. CIVIL CONSTRUCTION STATUS

Track:

- Complete October 2015



OCS:

- Complete October 2015



Paving:

- Complete October 2015



Stops:

- Complete November 2015



## 2.4 UTILITY WORK



Final project utility work with sewer lining at 4th and Walnut Streets



## 2.4 UTILITY WORK

Utility work, including street and sidewalk is in the closeout phase:

- Duke Electric 100% complete
- Duke Gas 100% complete
- Cincinnati Bell 100% complete
- Water 100% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 100% complete
- MSD (Sewer) 100% complete

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## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION



June Community Communication meeting

## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION



Planning the Cincinnati Streetcar Grand Opening at Washington Park

## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- SORTA is now tracking and scheduling all community presentations
- Continuing established involvement strategy:
  - Monthly Construction Stakeholders Meeting
  - Email monthly Streetcar Newsletters transitioned to Metro
  - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic in coordination with RoadmapCincy
  - Personal visits to businesses and groups now focus on streetcar safety and how to ride
  - Attendance at DCI/Police Sector Meetings
  - Streetcar website: [www.cincinnati-streetcar.com](http://www.cincinnati-streetcar.com) (all media and press releases – hosting transitioning to SORTA when streetcar goes operational)



## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Internal City organizational development, familiarizing the departments and other service providers with Streetcar safety and operational characteristics, including how you work on a street with streetcar tracks
- Speaker's Bureau for groups that would like to hear about Cincinnati Streetcar
- Hamilton County Monthly Riverfront Joint Operations Task Force
- Social media (twitter @Cincy\_Streetcar, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)
- Coordination with <http://www.roadmapcincy.com/> to push out information on streetcar related traffic matters





## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Enforcement tools in place through action by City Council to keep track clear of obstructions that could impair streetcar service or cause safety hazards
  - Clarified parking restrictions proximate to streetcar tracks
  - Gave regulatory status to the white line defining width of the parking spots in key locations
  - Enable Police and parking Enforcement Officers to clear offenders quickly
- Additional Ordinance being drafted to provide tools for SORTA/Streetcar operations staff to enforce fare and operational rules as well as enhance safety and security



## 2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Track Access Authorization (TAA) process being administered by SORTA/Transdev based on applications through CPD Special events or DOTE Public Space Permit Process. People needing information on how the process works should call Shawn Patton at the City DOTE Public Space Permit Desk, 352-5287
- Contractors, others working in ROW required to get a TAA authorization as part of their normal ROW permit from City DOTE
  - Allows streetcar operations to know who/what to expect in the street
  - Streetcar operations is then able to coordinate work with all agencies and contractors
- OSHA rules require workers to observe a 10 foot safety envelope around active OCS wire
- Transdev is engaged in safety training/certification to utility company workers



## 2.6. MPD BILLINGS - JUNE 2016 REPORT

<b>Bid Form Section</b>	<b>Total</b>	<b>Prev. Incurred</b>	<b>June (net ret)</b>
<b>Behind the Curb Work</b>	\$222,617	\$222,617	\$0
<b>Central Parkway Median</b>	\$123,756	\$123,756	\$0
<b>Civil, Roadway and Drainage</b>	\$10,001,982	\$9,953,471	\$48,511
<b>Communication System</b>	\$763,959	\$748,707	\$15,252
<b>Corrosion Control</b>	\$336,948	\$336,948	\$0
<b>Misc. Items</b>	\$4,699,969	\$4,684,641	\$15,329
<b>MOF Civil and Track</b>	\$3,247,027	\$3,238,340	\$8,687
<b>MOF</b>	\$8,722,079	\$8,705,154	\$16,925
<b>OCS Mainline</b>	\$5,535,807	\$5,535,387	\$420
<b>Signal System Streetcar</b>	\$669,588	\$669,588	\$0
<b>Streetcar Stop Shelters and Sitework</b>	\$2,206,789	\$2,206,789	\$0
<b>Trackwork on Grade</b>	\$12,889,768	\$12,889,768	\$0
<b>Trackwork on Structures</b>	\$2,987,606	\$2,987,606	\$0
<b>Traction Power</b>	\$6,316,455	\$6,302,646	\$13,810
<b>Traffic Signals and Lighting</b>	\$4,543,596	\$4,532,627	\$10,970
<b>Water Main - Main Street</b>	\$2,385,941	\$2,385,941	\$0
<b>Water Main - Walnut Street</b>	\$1,780,106	\$1,780,106	\$0
<b>CO#1</b>	\$447,368	\$447,368	\$0
<b>CO#2</b>	\$52,861	\$52,861	\$0
<b>CO#3</b>	\$521,750	\$521,750	\$0
<b>CO#4</b>	\$256,225	\$256,225	\$0
<b>CO#5</b>	\$637,108	\$637,108	\$0
<b>CO#6</b>	\$128,782	\$128,782	\$0
<b>CO#7</b>	\$62,984	\$62,984	\$0
<b>CO#8</b>	\$313,894	\$313,894	\$0
<b>CO#9</b>	\$176,923	\$176,923	\$0
<b>CO#10</b>	\$0	\$0	\$0
<b>CO#11</b>	\$4,433	\$4,433	\$0
<b>CO#12</b>	\$8,070	\$8,070	\$0
<b>Totals:</b>	<b>\$70,044,391</b>	<b>\$69,914,488</b>	<b>\$129,903</b>

# 3.0. VEHICLES



CFD personnel familiarizing themselves with the vehicles

## 3.0. VEHICLES

- Vehicles are on schedule for start of fare service on September 9, 2016.

### VEHICLE METRICS

Streetcar Vehicle Status Metrics	Percent Complete	Comments
Production Baseline Design	99%	CAF submits regular updates to As-built drawings. Some design reports have minor open items pending closeout.
First Article Inspections	99%	All FAI's have been completed. Some FAI's have open items which are being closed as part of open items list.
Qualifications Testing	99%	All tests have been performed. Some awaiting approval of test reports.
Contract Deliverables Requirements List (CDRL) Submittals	55%	Many CDRL's have submittals awaiting approval or pending comments, including test reports, final drawings, etc.
Safety Certification	90%	CAF has submitted RAMS Milestone 4. LTK is reviewing. Update to design audit and construction audit are pending.



## 3.0. VEHICLES

- Conditional Acceptance of four vehicles 1176-1179
- Conditional Acceptance on 1175 pending completion of window repair
- Spare parts delivery
  - CAF quality personnel, LTK resident inspector, Transdev are working to inspect and accept spare parts delivered to date
  - Additional spare parts are still yet to be received



## 3.0. VEHICLES

- Maintenance Manuals
  - CAF has submitted complete version of maintenance manuals
    - HVAC, Braking system are new additions
  - Manuals determine special tooling needs
    - City is preparing comments to special tools list based on manuals
- Maintenance Training
  - Doors, HVAC, brake system training scheduled for July





## 4.0. BUDGET & EXPENDITURES

- Through June 30, 2016:
  - \$131,331,097 has been expended on the project (including Duke escrow)
  - Major Contract Activity:
    - 12 change orders to the MPD construction contract have been issued totaling \$2,581,082
    - Two change orders to the CAF vehicle contract have been issued totaling \$0
    - See Appendix A for breakout of Contingency Usage

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## 4.0. BUDGET & EXPENDITURES

- Rev. 1 reported at Apr 12 MT&RC Committee reflects transfer of savings from Utilities (3<sup>rd</sup> Party) to Unallocated Contingency
  - Decrease of \$667,443 from Utilities (3<sup>rd</sup> Party) line
  - Increase of \$667,443 in Unallocated Contingency line
  - No net change to overall budget total of \$148,078,277 or sources
- Rev. 2 reflects budget changes pursuant to Ordinance #108-2016 passed by City Council on April 27, 2016:
  - Decrease of \$550,000 from Unallocated Contingency line
  - Increase of \$550,000 in new Fund 455 Contingency line
  - No net change to overall budget total of \$148,078,277
  - Change to local sources with addition of Fund 455



## 4.0. BUDGET & EXPENDITURES

### Budget Revision 3

- June 20, 2016 - City Manager agreed on settlement amount with Duke Energy for Duke relocation costs following rejection of City appeal by Ohio Supreme Court
- Cincinnati Bell Telephone (CBT) relocation agreement closed under budget
- Budget Revision 3 reflects CBT closure and final Duke settlement:
  - CBT savings of \$1,364,125.17:
    - \$932,187.10 remaining in *Utilities (3<sup>rd</sup> Party)* budget line
    - \$431,938.07 transferred to *Unallocated Contingency*



## 4.0. BUDGET & EXPENDITURES

Budget Revision 3 continued:

- Total Duke relocation cost of \$15,950,025.23:
  - \$15,000,000 from Duke Escrow
  - \$932,187.10 from savings in Utilities (3<sup>rd</sup> Party) following closure of Cincinnati Bell relocation agreement
  - \$17,838.13 in interest generated on Escrow amount
- \$17,838.13 shown as new project funding source



# 4.1. BUDGET VS. EXPENSES

Through 6/30/16 - DRAFT

Budget Category	BUDGET REV. 3 - June 20, 2016			EXPENSES 6/30/2016		
	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
<b>Federal</b>						
Construction	\$ 50,511,908.33	\$ 2,000,000.00	\$ 52,511,908.33			
MOF	\$ 11,914,668.98	\$ -	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ -	\$ 6,958,405.62	\$ 67,857,942.13	\$ 3,527,040.80	\$ 71,384,982.93
Utilities (3rd Party)	\$ 4,116,289.18	\$ 77,207.23	\$ 4,193,496.41	\$ 3,415,733.66	\$ 1,583,680.69	\$ 4,999,414.35
Fare Vending	\$ 500,000.00	\$ 50,000.00	\$ 550,000.00	\$ 339,306.16	\$ 160,693.84	\$ 500,000.00
City Project Administration	\$ 3,816,012.64	\$ 190,800.63	\$ 4,006,813.27	\$ 3,645,061.39	\$ -	\$ 3,645,061.39
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 1,250,452.96	\$ 749,547.04	\$ 2,000,000.00
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Start-up (capital)	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ 200,000.00	\$ 200,000.00
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 17,035,002.79	\$ 7,216,644.80	\$ 24,251,647.59
Unallocated Contingency	\$ 5,540,391.86	\$ -	\$ 5,540,391.86	\$ 3,863,813.97	\$ 409,813.66	\$ 4,273,627.63
<b>Subtotal</b>	<b>\$ 110,729,192.61</b>	<b>\$ 4,519,730.26</b>	<b>\$ 115,248,922.87</b>	<b>\$ 99,418,499.06</b>	<b>\$ 13,847,420.83</b>	<b>\$ 113,265,919.89</b>
Utilities (Duke Escrow)	\$ 15,950,025.23	\$ -	\$ 15,950,025.23	\$ 15,950,025.23	\$ -	\$ 15,950,025.23
Fund 455 Contingency Allowance	\$ 550,000.00	\$ -	\$ 550,000.00			
<b>Federal Total</b>	<b>\$ 127,229,217.84</b>	<b>\$ 4,519,730.26</b>	<b>\$ 131,748,948.10</b>	<b>\$ 115,368,524.29</b>	<b>\$ 13,847,420.83</b>	<b>\$ 129,215,945.12</b>
<b>Local</b>						
Design	\$ 14,396,348.04	\$ 202,370.96	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Pre-Development	\$ 1,313,786.00	\$ -	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
City Project Administration	\$ 434,663.00	\$ -	\$ 434,663.00	\$ 384,900.38	\$ -	\$ 384,900.38
<b>Local Total</b>	<b>\$ 16,144,797.04</b>	<b>\$ 202,370.96</b>	<b>\$ 16,347,168.00</b>	<b>\$ 15,962,573.37</b>	<b>\$ 68,729.72</b>	<b>\$ 16,031,303.09</b>
<b>Grand Total</b>	<b>\$ 143,374,014.88</b>	<b>\$ 4,722,101.22</b>	<b>\$ 148,096,116.10</b>	<b>\$ 131,331,097.66</b>	<b>\$ 13,916,150.55</b>	<b>\$ 145,247,248.21</b>

- *Construction* Expenditures include \$2.939 Million in unreleased retainage on MPD contract .
- Vehicle* Expenditures include \$707,844 in unreleased retainage on CAF contract

## 4.2. RISK/CONTINGENCY ITEMS

- CONSTRUCTION
  - Traffic signal modifications underway to facilitate signal operation
  - MOF Modifications – align facility to operational needs
- VEHICLES
  - CAF delays will require additional engineering support from LTK
  - Spare parts & special tools delivery, training still required
  - Open items
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
  - Issues identified during integrated testing and safety certification may require redesign or additional construction work intermingled with need to integrate requirements for ODOT SSO concurrence to begin revenue service and recently received guidance from PMOC in a short time frame.



# 4.3. CONTINGENCY USAGE

6/30/16

Budget Category	Contingency Budget (Rev. 3, Jun 20, 2016)	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
<b>ALLOCATED CONTINGENCY</b>					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,979,434.32	\$ 90,494.00	\$ 10,000.00	\$ (79,928.32)
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23				\$ 77,207.23
Utilities (Duke Escrow)	\$ -				\$ -
Vehicles	\$ 2,101,722.40	\$ 1,277,100.75		\$ 300,000.00	\$ 524,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
<b>Subtotal</b>	<b>\$ 4,722,101.22</b>	<b>\$ 3,256,535.07</b>	<b>\$ 281,294.63</b>	<b>\$ 310,000.00</b>	<b>\$ 874,271.52</b>
<b>UNALLOCATED CONTINGENCY</b>					
Unallocated Contingency		\$ 1,515,418.50		\$ 93,538.00	
Construction		\$ 2,029,170.11		\$ 769,133.00	
City Project Administration	\$ 5,540,391.86		\$ 703,102.04		\$ (298,918.10)
Start-up (Capital)		\$ 100,000.00			
Design		\$ 608,948.31		\$ 20,000.00	
<b>Subtotal</b>	<b>\$ 5,540,391.86</b>	<b>\$ 4,253,536.92</b>	<b>\$ 703,102.04</b>	<b>\$ 882,671.00</b>	<b>\$ (298,918.10)</b>
<b>Subtotal Original Contingency Sources</b>	<b>\$ 10,262,493.08</b>	<b>\$ 7,510,071.99</b>	<b>\$ 984,396.67</b>	<b>\$ 1,192,671.00</b>	<b>\$ 575,353.43</b>
<b>FUND 455 OPERATIONS/CONSTRUCTION CONTINGENCY</b>					
City Council Fund 455 Operations/Construction Contingency Fund (April 2016)	\$ 550,000.00				\$ 550,000.00
<b>Subtotal</b>	<b>\$ 550,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 550,000.00</b>
<b>Grand Total All Contingency Sources</b>	<b>\$ 10,812,493.08</b>	<b>\$ 7,510,071.99</b>	<b>\$ 984,396.67</b>	<b>\$ 1,192,671.00</b>	<b>\$ 1,125,353.43</b>

# 4.4. GRANT DRAWDOWN SUMMARY

Through 6/30/16

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453		\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 918,468		\$ 470,077
		12.23.03	Construction	\$ 12,598,000	\$ 12,598,000		\$ (0)
		12.13.20	Vehicles	\$ 11,002,000	\$ 7,606,846	\$ 3,395,158	\$ (4)
Subtotal				\$ 24,989,998	\$ 21,124,767	\$ 3,395,158	\$ 470,073
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545		\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 81,801		\$ 129,652
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,790,347	\$ -	\$ 129,651
TOTAL				\$ 45,178,274	\$ 41,183,392	\$ 3,395,158	\$ 599,724

\* Budget revision on 9/16/15 moved \$4.998 M from Urban Circulator ALI 12.13.20 to 12.23.03

\*\* Drawn + Pending = 98.7% of Federal grant funds



## 5.0. JOB SITE SAFETY

- Safety Oriented-To date: 906
- Safety Orientations-June: 0
- Total worker-hours worked to date: 288,384
- Total worker-hours worked without a lost time accident: 186,958
- Lost Time Accidents-To date: 3
- Lost Time Accidents-June: 0





## 6.0. SORTA ACTIVITIES



The Live Drill Exercise organized by SORTA with CPD and CFD

## 6.1. STREETCAR SYSTEM TURNOVER

- Four of the five streetcar vehicles have been conditionally accepted by the City of Cincinnati from CAF. In-turn the four vehicles and basic keys have been turned over to SORTA to manage and operate. As part of the conditional acceptance CAF agreed to provide an additional 30 days of maintenance on the vehicles.
- SORTA/Transdev has taken over responsibility for track allocation planning. A weekly meeting is scheduled for Mondays at 3:00pm at the MOF for any interested contractors or other parties to coordinate scheduling. Participation includes the City of Cincinnati permitting staff.



## 6.2. OPERATIONS & MAINTENANCE PLANNING

- SORTA has identified operational challenges in the operation of City streets that are impacting the ability of the streetcar to achieve the operational schedule and operate safely, securely and reliably. A team has been established by the City Manager to address the issues.
- SORTA and Transdev are tracking the running times of the streetcar during training and simulated revenue serve (Pre-Revenue Operations – PRO). Following additional experience by operating personnel and improvements to operational challenges in street operations the running times should improve.
- The streetcar system is scheduled to commence pre-revenue operations on July 31, 2106.



## 6.3. FARE EQUIPMENT

- The TVM units have been programmed and tested by SORTA staff. Minor modifications will be implemented by GFI (the vendor) based on testing. The preliminary test installation of the first TVM unit will occur on July 6, 2016 and the remainder two weeks later.
- The fare policy, including fare revenue allocations has been codified through approval by the SORTA Board of Trustees and the Cincinnati City Council (FY2017 City Budget Request).



## 6.4. RAIL ACTIVATION

- Rail Activation committee meetings have transitioned from bi-weekly to weekly in June. Subcommittees include fare collection and grand opening operations coordination. Major topics include the establishment of the fare collection system and implementation of the SORTA computer-aided dispatch and radio system.
- The SORTA Planning Department produced a “hotspot” map of streetcar close calls based on the log maintained by Transdev. This map has been shared with the City Police Department in an effort to target enforcement efforts.



## 6.4. RAIL ACTIVATION

- Modification #1 to the contract between SORTA and Transdev has been executed. This contract amends the contract to revise the streetcar operating schedule to conform to the revised schedule adopted by the SORTA Board of Trustees and the Cincinnati City Council, it revises the revenue service date to September 9, 2016, it provides for more cost effective utility expenses and it adds for the purchase of capital tooling and equipment related to Amendment #7 of the 2011 Streetcar Inter-governmental Agreement between the City and SORTA.





## 6.5. SAFETY & SECURITY CERTIFICATION

- A full scale exercise (FSE) was held with the Cincinnati Police and Fire Departments on June 16, 2016 to simulate the response to a streetcar vehicle collision. A collision was simulated between a private automobile and a streetcar with injuries on both to test the response. The Federal Transit Administration and the Ohio Department of Transportation (State Safety Oversight) participated as evaluators. The FSE was a success with several tweaks under development to procedures and training.
- June 30, 2016 is the “hold point” for documentation for certification. Preliminary drafts will be shared with ODOT and reviewed to begin the process of developing final certificates and the Safety and Security Certification Verification Report (SSCVR).



## 6.5. SAFETY & SECURITY CERTIFICATION

- The SORTA Director of System Safety and Transdev have conducted multiple training sessions for the Cincinnati Fire Department for various companies around the City who may interact with streetcar assets. This training included the streetcar vehicle configuration and the issues surrounding the overhead contact system safety. Subsequent training will demonstrate the re-railing of a streetcar vehicle by SORTA/Transdev.
- A full scale exercise will be held with the first responders on June 16, 2016 to simulate the response to a streetcar vehicle collision.
- The Ohio Department of Transportation conducted an on-site Quarterly Review Meeting at SORTA. In addition to coordinating the certification process tasks, ODOT staff were able to directly observe a streetcar test and associated procedures.





## 6.5. SAFETY & SECURITY CERTIFICATION

- Committee (SSRC) and the Fire Life Safety and Security Committee (FLSSC) meetings continue. Discussions continue on various inter-related items.



## 6.6. ADVERTISING / SPONSORSHIPS

- All exterior advertising has been sold for the fleet. SORTA contractor Advertising Vehicles continues to work to sell the remaining interior advertising space and systemwide sponsorship naming rights.
- Notice to Proceed has been issued to Advertising Vehicles for shelter advertising sales.

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## 6.7. MARKETING / EDUCATION

- The streetcar stakeholder meetings continue including the monthly streetcar e-newsletter.
- The planning for the grand opening celebration is in full swing. SORTA has retained Game Day Communications to assist with the effort.
- An outreach event with the disability community has been planned for the end of July to begin the familiarization process with the streetcar system.



## 6.8. UPCOMING SORTA BOARD OF TRUSTEES ACTIONS

- Approval of contract between SORTA and Downtown Cincinnati Improvement District governing streetcar operations and maintenance funding from the Voluntary Tax Incentive Contribution Agreement (VTICA) including an associated amendment to the 2015 Cincinnati Streetcar Operations and Maintenance Inter-Governmental Agreement (OMIGA) between SORTA and the City of Cincinnati (anticipated ~~November 2015~~ ~~January February March April May July August 2016~~);
- Approval of Amendment to the contract with Transdev Services, Inc. to provide \$100,000.00 for purchase of additional tooling and equipment for the Maintenance and Operations Facility, to update the streetcar operating schedule, revenue service date, MOF utilities and other administrative updates. (anticipated May June 2016); APPROVED



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## 6.9. STREETCAR VEHICLE

- With the burn-in testing over, the SORTA support of the City testing phase of the vehicle contract is largely complete. SORTA will utilize the vehicles for operator training to qualify the remaining streetcar operators. Additionally the receipt and proper documentation of spare parts, kick-off of warranty administration, determination and receipt of special tools and the remaining maintenance training are critical path items for the start-up of the system on September 9, 2016.
- Following the conditional acceptance of the vehicles by the City under the CAF contract it is anticipated that the vehicles will be turned over to SORTA for operations and maintenance.



## 6.10. OPERATIONS AND MAINTENANCE INTERGOVERNMENTAL AGREEMENT

- SORTA continues discussions with the City of Cincinnati and DCI regarding the VTICA arrangement. There will be an amendment to the OMIGA as well as a separate recipient agreement between SORTA and Downtown Cincinnati Incorporated (DCI).

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## 7.0. DBE & INCLUSION

- MPD reported a DBE Spend at end of May of 14.3%, below SORTA's project target of 18%.
- Tally of final quantities will not be fully available until later this year. This tallying is very likely to adjust the currently reported total.
- As reported at the time, in March 2015 the project team received information that one of the DBE contractors on the Streetcar Project may have graduated from the DBE program in one of its NAICS codes.



## 7.0. DBE & INCLUSION

- SORTA received FTA guidance at the end of March 2016 that Bansal Construction had graduated in one NAICS code that would represent a reduction of approximately 10% of the currently reported 16.9% DBE billings on the project.
- MPD has confirming the dollar amount of DBE spend with Bansal for the NAICS code in question.
- SORTA is working with City in the process of updating their Federal Fiscal Year DBE reporting to FTA. Other action may be necessary by them.
- Final contract close-out documentation by MPD will provide to the City documentation of their best-efforts and final totals. That information will be sent on to SORTA.



## 7.0. DBE & INCLUSION

### Workforce Inclusion Compliance May 2016

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals.
- With the completion of construction and only minor punch list and testing support remaining, these totals are unlikely to change very much.

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.5%	11.9%
Female Hours	3.7%	6.9%
Minority Female	66.7%	50.0%

## 8.0 FEDERAL OVERSIGHT ACTIVITIES

- All activities undertaken by the project have to date met Federal Transit Administration rules and regulations.
- The City and SORTA each have responsibility for ensuring that the project adheres to FTA guidelines governing such areas as procurement, project management, financial management, operations and maintenance, Buy America, and safety and security certification.
- Project staff responded to various requests for information from FTA and the PMOC throughout the reporting period.
- The Quarterly Review Meeting (QRM) took place in Cincinnati on June 2, 2016.
- The next Quarterly Review Meeting (QRM) will take place in Chicago on September 20, 2016.
- The next Monthly Meeting/Teleconference will take place on July 7, 2016.

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# Appendix B

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	Complete	\$ 492,933.00
2	Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	Complete	\$ 100,000.00
3	Construction	Unallocated Contingency	MPD	Change Order	3	1/28/2014	Adds for additional potholing and prevailing wage; credits for sewer manhole redesign and removal of communication conduits	Complete	\$ 359,745.00
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	Complete	\$ 15,791.84
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	Complete	\$ 3,571.00
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	Complete	\$ 6,825.00
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	Complete	\$ 32,290.85
8	Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	N/A	8/30/2013	Schedule review support	Complete	\$ 60,728.00
12	Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit crossings: revised OCS poles; revised Trapeze allowance; MOF vehicle APS changes;	Complete	\$ 265,211.25
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	Complete	\$ 637,108.00
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	Complete	\$ 608,948.31
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	Complete	\$ 313,782.44
16	Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecomm conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	6/5/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	Complete	\$ 200,000.00
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/31/2014	basement encroachment, cellar door, GCWW force acct., manhole mods	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/6/2014	various MOF, sewer, GCWW, other revisions,	Complete	\$ 301,038.40
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	Complete	\$ 210,137.50
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	11/17/2014	Wheel Truing Machine	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted EC's from MPD	Pending	\$ 61,424.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated EC's from MPD	Pending	\$ 29,070.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	Estimated	
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	Estimated	\$ 42,268.00
28	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Cameras, TPSS Wiring	Estimated	
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 703,102.04
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm wiring	Estimated	
32	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Ford Force Account	Estimated	
33	Vehicles	Allocated Contingency	LTK	Certification	N/A	TBD	LTK - Additional Staff Time #1	Complete	\$ 977,100.75
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs/utilities	Complete	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed/Claims	Estimated	\$ 525,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs, WTM mods	Estimated	\$ 93,538.00
37	Construction	Unallocated Contingency	TBD	Certification	N/A	TBD	Bike Racks, pervious concrete	Estimated	
38	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	Task 5	2/12/2015	Schedule review support Task 5	Complete	\$ 71,242.00



# Appendix B continued

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/16/2015	Partial depth repair, handrail on Race, misc. items	Complete	\$ 56,592.02
40	Construction	Unallocated Contingency	MPD	Change Order	7	3/18/2015	Lifting Jacks settlement, Owner-supplied Equipment mod., TPSS negative drainage conduit	Complete	\$ 67,630.00
41	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Station Stop mods for TVM installation	Estimated	
42	Unallocated Contingency	Unallocated Contingency	TBD	TBD	TBD	TBD	12th & Race Overhead Light modification	Estimated	
43	Construction	Unallocated Contingency	MPD	Change Order	8	3/20/2015	TPSS Screenwall changes	Complete	\$ 19,973.66
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	3/20/2015	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues	Complete	\$ 267,924.00
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing	Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Central Parkway /Walnut OCS conflicts	Estimated	\$ -
47	Construction	Unallocated Contingency	MPD	Contingency Allocation	N/A	TBD	Traffic Boom Arm Bolt Pattern conflict	Complete	\$ -
48	Construction	Allocated Contingency	MPD	Contingency Allocation	13	5/12/2015	special concrete finishing on Main, wayfinding on 2nd, MOF tread ladder, Oil/Water separator, additional sewer manhole, ped pole mods, Ford FA through Jan 2015	Complete	\$ 120,408.11
49	Construction	Allocated Contingency	MPD	Contingency Allocation	14	7/17/2015	capped manhole, utility conflict modification, subway OCS survey, Ford FA, various MOF design mods/fixes, shelter damage	Complete	\$ 50,837.00
50	Construction	Unallocated Contingency	MPD	SORTA IGA Amend #6	N/A	6/19/2015	MOF office equipment, Trapeze Wireless LAN	Complete	\$ 76,293.76
51	Fare Vending	Base	MPD	Change Order	10	8/11/2015	TVM Enclosures	Complete	\$ 135,272.21
52	Construction	Unallocated Contingency	MPD	Change Order	9	10/15/2015	MOF & TPSS #1 SCADA internet wiring; MOF furniture; MOF WTM Mods; MOF cameras	Complete	\$ 176,923.00
53	Construction	Allocated Contingency	MPD	Contingency Allocation	15	9/8/2015	TPSS #1 FRE conduit, Pavers at TPSS #2, MOF pole mods, TPSS 1 electrical cabinet	Complete	\$ 32,673.00
54	Construction	Allocated Contingency	MPD	Contingency Allocation	16	10/15/2015	Modify traffic booms in CBD (ECI 221); MLB All Star Game costs (ECI 222); Reset temp water valve (ECI 245); Fill vault at 6th & Main (ECI 249); Temp signals & signs (ECI 244)	Complete	\$ 54,341.00
55	Construction	Allocated Contingency	MPD	Contingency Allocation	17	11/23/2015	ECI's 160,193,201,205,209,226,227,248,268	Complete	\$ 36,043.00
56	Construction	Unallocated Contingency	MPD	Change Order	11	1/7/2016	ECI's 39,188,212,215,233,234,237,238,242,250,254,259,260,262,269,270,271,273,276	Complete	\$ 4,433.00
57	Construction	Allocated Contingency	MPD	Contingency Allocation	18	1/25/2016	ECI's 198, 184, 267, 275, 284, 288, 290	Complete	\$ 33,195.00
58	Construction	Unallocated Contingency	MPD	Change Order	12	2/8/2016	ECI's 54, 236, 241, 274	Complete	\$ 8,070.00
59	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Misc. Mods - ECI 295, 296, 298, 299, 300, 301, 302	Estimated	
60	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Secondary Signal Detection System (ECI 292)	Estimated	
61	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 312 - Walnut Skywalk Bridge Protection	Estimated	
62	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 307 - Henry St. Isolation	Estimated	
63	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 311 - MOF Electric (208v), lighting mods	Estimated	
64	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 315 - Additional Striping for Transit Only Lanes	Estimated	
65	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 300 - Compressive Strength Pay Factor Claim - ODOT Spec 898	Estimated	\$ 201,865.00
66	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #3	Complete	\$ 100,000.00
67	Design	Unallocated Contingency	PB	Change Order	N/A	TBD	Additional construction support work needed	Estimated	\$ 20,000.00
68	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #4	Complete	\$ 100,000.00
69	Utilities	Allocated Contingency	TWC	Addition	N/A	TBD	TWC close out remainder	Complete	
70	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - future amendments/additional time needed	Estimated	\$ 300,000.00



## Appendix B continued

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
71	Construction	Allocated Contingency	MPD	Contingency Allocation	19	4/18/2016	ECIs 199, 252, 265, 266 ,272, 278, 282, 295, 296, 302, 303, 304, 306, 307, 309	Complete	\$ 111,224.00
72	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	3rd & Main traffic signal changes	Estimated	
73	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	8th & Main curb ramp puddle	Estimated	
74	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	Court & Walnut curb ramp puddle	Estimated	\$ 10,000.00
75	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	MOF mezzanine angle adjustment - CHC	Estimated	
76	Startup	Unallocated Contingency	SORTA	ID Bill	N/A	TBD	Reimbursement to Fund 050 for SORTA/Transdev Startup costs	Complete	
77	Construction	Allocated Contingency	MPD	Contingency Allocation	20	TBD	ECI 181, 301, 308, 311, 312, 319, 321	Complete	\$ 42,186.00
78	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #5	Complete	\$ 100,000.00
79	Startup	Unallocated Contingency	SORTA	Certification	N/A	TBD	SORTA IGA Amendment #7 - Utilities	Complete	\$ 100,000.00
80	Construction	Allocated Contingency	MPD	Contingency Allocation	21	TBD	ECI 279,291,298,313,314,315,320,322,325	Complete	\$ 55,506.00
81	Construction	Allocated Contingency	MPD	Contingency Allocation	22	TBD	ECI 292, 297, 299, 310, 316, 324	Complete	\$ 255,018.00